



## DUAL CURE COATING COMPOSITIONS HAVING IMPROVEDSCRATCH RESISTANCE, COATED SUBSTRATES AND METHODS RELATED THERETO

5

10

## **ABSTRACT**

Coating compositions formed from components including radiation and thermally curable material(s); curing agent(s) and a plurality of particles are provided, wherein each component is different. Also provided are multi-component composite coatings which include a cured basecoat deposited from a pigmented coating composition and a cured topcoat deposited from a topcoating composition. The multi-component composite coatings of the invention provide highly scratch resistant color-plus-clearcoatings.